

PATENT ABSTRACTS OF JAPAN

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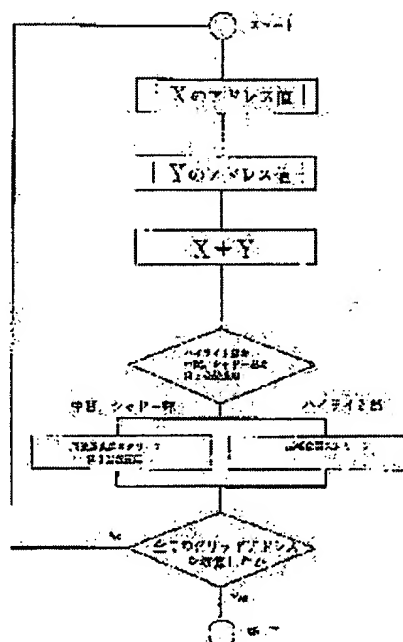
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(54) MIXED HALFTONE SCREEN GENERATING METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To enable high definition printing with large printing durability by adopting an amplitude modulation screen as a method for solving rough grain at a highlight part peculiar to a frequency modulation screen and on the other hand, adopting the frequency modulation screen for expressing precise and dense line picture.

SOLUTION: A position to make the amplitude modulation screen coexist in the frequency modulation screen and dot diameter is made variable by using an amplitude modulation method for the highlight part, a frequency modulation method for an intermediate part to a shadow part for which precise and dense expression is required and providing a first variable in the case. The dot diameter is controlled by adjusting a sum of X, Y addresses as marginal positions of the amplitude modulation screen, i.e., the first variable. Furthermore, priority is given to the amplitude modulation screen regarding priority level to black out a pixel at the amplitude and the frequency modulation screens by providing a second variable.



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